

# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

July 7, 2016

Henry Dao President / CEO HSP USA, LLC 3111 Route 38, Suite 11, #310 Mount Laurel, NJ

Subject: Notification per PRN 98-10 – Label updated to address comments by California

CDPR, minor marketing language and graphics changes

Product Name: HSP2O

EPA Registration Number: 87518-1 Application Date: June 1, 2016 Decision Number: 518660

Dear Mr. Dao:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Antimicrobials Division (AD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped "Notification" and will be placed in our records.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

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If you have any questions, you may contact Donna Kamarei at (703)347-0443 or via email at Kamarei.donna@epa.gov.

Sincerely,

Demson Fuller, Product Manager 32 Regulatory Management Branch II Antimicrobials Division (7510P) Office of Pesticide Programs

# $(Hsp_2O)^{\mathbb{R}}$

Active Ingredient:	
Hypochlorous Acid	0.018%
Other Ingredients	99.982%
Total	100.000%

### KEEP OUT OF REACH OF CHILDREN

Manufactured by: HSP USA, LLC 3111 Route 38, Suite 11, #310 Mount Laurel, NJ 08054

EPA Registration Number: 87518-1 EPA Establishment Number: 87518-NJ-002

### NOTIFICATION

87518-1

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

07/07/2016

### **OVERVIEW**

### Description:

This product (Hsp<sub>2</sub>O) is a disinfectant for use on hard non-porous inanimate surfaces. This product (Hsp<sub>2</sub>O) is a super-oxidized, pH-neutral water based solution. It is a broad-spectrum, ready-to-use product that is especially useful in hospital patient care areas, dental offices, households, institutions, commercial facilities including childcare facilities, health clubs, laboratories, veterinary and pet care facilities, food processing, agricultural facilities, transportation and hospitality facilities, industrial areas.

When used according to the direction for use, this product disinfects hard non-porous surfaces including: stainless steel, chrome, glass, vinyl, glazed porcelain, non-porous plastics, baked enamel and glazed tile in the above application areas.

### Cleaning and General Use Claims (These could appear anywhere on the label)

- Alcohol –and/or- bleach free
- All purpose cleaner
- Bathrooms, sinks and faucets and floor areas
- Bleach [alcohol] [fragrance] [VOC] free
- Clean before you shop
- Cleans
- Cleans bathroom soils
- Cleans blood stains
- Cleans everyday messes
- Cleans fingerprints
- Cleans food stains
- Cleans mildew stains
- Cleans rust
- Clear drying formula
- Color safe
- Colorless
- Compatible with equipment surfaces
- [Compatible with -or-Suitable] [for use on] equipment surfaces
- Compatible with -orsuitable -or- compatible with equipment surfaces for use on hospital surfaces [sites/surfaces listed on tables 1-6]
- Complies with VOC laws
- Contains non-VOCemitting ingredients
- Cuts -and/or- removes sweat

- Designed -or- Ideal for daily [cleaning] [use]
- Durable and stable solution
- Easy [cleaning]
- Effective under ambient conditions
- Four in One or 4 in 1
  [formula]: [Kills Germs]
  [Eliminate Odor]
  [Removes Stains]
  [Destroys Allergens]
- For direct application
- For easy cleaning
- For terminal cleaning
- Fragrance free
- Good for use with microfiber cloths
- Ideal for use in gyms and/or- health clubs and/or- wellness centers
- Ideal for use in schools and/or- daycare -and/oruniversities -and/orcolleges -and/or- offices
- Ideal for use on high touch surfaces
- Labor saving no-rinse formula (rinse required on food contact surfaces)
- [Leaves] [virtually] no residue
- Light touch up quick cleaning
- Made in USA
- Multi surface cleaner disinfectant

- No added [perfumes] [and] [or] [dyes] [and] [or] fragrance
- No fragrance added
- No harsh chemical fumes, -or- smell, -orodor, -and/or- buildup, and/or- residue
- No mixing
- Non-corrosive –or- Nonstaining of surfaces [sites/surfaces listed on tables 1-6]
- No special handling or disposal requirements
- No Personal Protective Equipment (PPE) required
- No phosphates
- No rinsing
- No VOCs
- Non-abrasive
- Non-bleach
- Noncorrosive
- Non-flammable
- Odorless
- Packaging made with [x%] recycled –orrecyclable plastic
- pH neutral
- · Ready to use
- Removes [dried on][blood] stains
- Removes [insert stain(s)/soil(s) from list below]
- Spray trigger
- [The] smell of clean
- VOC compliant
- VOC free

Cleaning and General Claims: (These could appear anywhere on the label)					
Stains / Organics:  Bathtub ring	Fingerprints	Other organic matter			
<ul><li>Beverage stains</li><li>Blood</li><li>Dirt</li></ul>	Food residue[s] -or- soil[s]     -or- [mess]     Laboratory stains	<ul><li>Rust</li><li>Pet odor</li><li>Urine [stains]</li></ul>			
Fecal matter	Mold stains     Other common soils -     and/or- stains				

### Deodorization Claims: (These could appear anywhere on the label)

- Deodorizes
- Deodorizer
- Eliminates —or- removes food odors [like garlic —and/or- fish, -and/or- onion]
- Removes –or eliminates [smoke] [urine] [feces] [fish] [foul] [body] odors
- Removes pet odors [like urine –and/orfeces]
- Neutralizes odors and kills odor-causing bacteria
- Eliminates —or- neutralizes —or- removes odor [caused by bacteria —and/or- fungi] [at their source]
- Kills or- eliminates odor causing bacteria [in the kitchen –or- bathroom]
- No harsh chemical [fumes] [smells]
- No harsh alcohol smell
- Proven deodorization technology

- [This product]deodorizes hard, nonporous surfaces [Insert surface[s] from Tables 1-6] [use site[s] from Tables 1-6] [where obnoxious odors may develop]
- [This product] deodorizes surfaces [Insert surface[s] from Tables 1-6] [use site[s] from Tables 1-6] and other places bacteria growth can cause malodors]
- [This product] deodorizes areas that hard to keep fresh smelling such as [insert use site[s] from Tables 1-6] [and other areas prone to odors caused by microorganisms]

### Allergen Destruction Claims: (These could appear anywhere on the label)

### Allergens

- Cockroach matter -or- particles
- Dust mite matter -or- particles
- Pet dander -or- dog and cat dander

### Claims

- · Breaks down allergens
- Destroys –or-[Eliminates] –or- [Removes] allergens
- Destroys -or deactivates dust mite matter or- particles, cockroach matter -orparticles, and pet dander allergens [found in dust]
- [Penetrates and] breaks down dust mite matter –or- particles, cockroach matter -orparticles, and pet dander allergens [found in dust]
- Reduces dust mite matter -or- particles, cockroach matter -or- particles, and pet dander allergens [found in dust]
- Reduces allergens
- This product kills germs and destroys allergens while cleaning hard, nonporous surfaces.

### Disinfection Claims (These could appear anywhere on the label):

- Antimicrobial –and/or- antibacterial –and/orantiviral\*\*\*
- Bacteria –and-or virus –and/or- fungi and/or- germ fighting formula
- Bactericide or Bactericidal
- Broad spectrum disinfectant [cleaner]
- Broad spectrum, [pH neutral], [water based], [fast acting]disinfectant
- [Broad Spectrum] [and] Multi-purpose Disinfectant
- Broad spectrum efficacy, killing pathogens causing HAIs –or- [Healthcare Associated Infections (HAIs)]
- Can help reduce the risk of cross contamination
- Cleans and disinfects hard non-porous surfaces at [Insert use sites from Tables 1-6]
- Clean -and/or- disinfect on the go
- [Insert use sites from Tables 1-6] Cleaner [and] [disinfectant] [and] [sanitizer]
- Cleans[,] and disinfects [and deodorizes]
- Cleans and/or [kills -or- eliminates -or-disinfects -or- destroys -or- removes -or-attacks -or- gets rid of] bacteria -and/or-germs -and/or- fungi [refer to any relevant organism from organism list on page 9] [in][:] [Insert use sites from Tables 1-6] [in] [as short as -or- as fast as -or- as little as] [3 min[ute]s]
- Cleans and [kills -or- eliminates -or- disinfects -or- destroys -or- removes -or- attacks -or- gets rid of] viruses\*\*\* [\*\*\* refer to any relevant organism from organism list on page 9] [in][:] [Insert use sites from Tables 1-6] [in] [as short as -or- as fast as -or- as little as] [60 sec[ond]s-or-[1 min[ute]]
- Clean[s]. disinfect[s]. [and] deodorize[s]
- Cleans [disinfects] [deodorizes] [kills]
   [removes] germs
- Daily defense against [tough] [germs]
   [pathogens]
- Delivers disinfection and [great] [more] surface coverage to save you time and money
- Deodorizes by disinfecting
- Designed for healthcare
- Disinfecting formula
- Disinfectant cleaner designed for general cleaning and disinfecting hard, non-porous surfaces at [Insert use sites from Tables 1-6]
- Disinfection technology
- Disinfects odor causing bacteria
- Easy and or convenient way to disinfect

- Easy and convenient disinfecting
- Easy convenient disinfecting
- Effective against -or- [kills] [most]
   Multidrug Resistant Organisms [MDROs]++
   [++refer to any relevant organism from organism list on page 9]
- Effective against -or- Kills [relevant]
   pathogens [refer to organism list on page
  g)
- Effective against the tough non-enveloped Norovirus
- Fights –or- effective against –or- kills
  [Bacteria] and/or [Fungi] [\*refer to any
  relevant organism from organism list on
  page 9] [Fungi][in 3 min[ute]s
- Fights –or- effective against –or- kills
   Virus\*\*\* [\*\*\*refer to any relevant
   organism from organism list on page 9]
   [in 1 min[ute]] –or- 60 sec[ond]s]
- Controls cross contamination
- Fights –or- effective against –or- kills Influenza A Virus –or-[Insert any relevant organism from organism list on page 9]
- Fights –or- effective against –or- kills bloodborne pathogen[s]+ [+Insert any relevant bloodborne pathogen from organism list on page 9]
- Fights –or- effective against –or- kills flu viruses
- For hospital [&] [veterinary] hard nonporous surfaces
- For instrument pre-cleaning & disinfection of noncritical instruments
- For daily defense against outbreaks in [the] or [your] hospital
- For healthcare use
- For hospital use
- Formulated –or- super-oxidized waterbased disinfectant
- Formulated with [patented] hypochlorous acid technology
- [Formulated with] [patented] engineered water [technology]
- Fungicide or Fungicidal
- Germicidal spray
- Germicide –or- germicidal
- Helps [reduce] [prevent] cross contamination [on hard, nonporous surfaces]
- Helps [reduce] [prevent] food poisoning outbreaks [on hard, nonperous surfaces]
- Hospital disinfectant cleaner
- HSP inside
- HSP technology inside
- Hospital cleaner -and / or- disinfectant

### Disinfection Claims (These could appear anywhere on the label) Continued

- Instrument presoak disinfectant
- Kills microorganisms
- Kills [Blood Borne] Pathogens+ -and/or-[Viruses\*\*\*] fin one min[ute] -or- 60 sec[ond]s] [+refer to relevant organisms from the organism list on page 9] fin one step]
- Kills -or- eliminates -or- disinfects -ordestroys -or- removes -or- attacks -or- gets rid of [multi-]drug resistant bacteria++ [++refer to any relevant organism from organism list on page 9] [in 3 min[ute]s
- Kills or- eliminates -or- disinfects -ordestroys –or- removes -or- attacks -or- gets rid of Norovirus [in 1 min[ute]] –or- 60 sec[ond]s] [in one step]
- Kills or- eliminates -or- disinfects -ordestroys –or- removes -or- attacks -or- gets rid of food poisoning germs\*,\*\*\*[\*\*refer to any relevant organism from organism list on page 9]
- Kills germs
- Kills drug resistant MRSA and VRE
- Kills a wide range of pathogens\*,\*\*,\*\*\*
   [refer to organism list on page 9]
- Kills a wide range of germs \*\* \*\* \*\*\* [refer to organism list on page 9]
- Kills –or- destroys –or- eliminates fungus fin 3 min[ute]s
- Kills athlete's foot [fungus]
- Kills bacteria, and/or [fungi] [refer to any relevant organism from organism list on page 9] in [as short as] [as fast as] [as little as] [3 min[ute]s
- Kills virus \*\*\* [\*\*\* refer to any relevant organism from organism list on page 9] in [as short as] [as fast as] [as little as] [1 min[ute] -or- 60 sec[ond]s] [in one step]
- Kills -and/or- [eliminates] [disinfects]
   [destroys] [removes] [attacks] [gets rid of] bacteria -and/or- germs -and/or- bloodborne pathogens –and/or- viruses\*\*\*
   [on] [insert use sites from Tables 1-6]

- Kills –or destroys –or- effective against fungus –or fungi
- Kills with oxidizing power to help prevent drug resistant organisms (strains)
- Meets OSHA bloodborne pathogen standards
- Multi-purpose cleaner –and/or- disinfectant
- Hard non-porous surface cleaner –and/ordisinfectant
- Oxidizing agent to provide disinfection
- One step virus\*\*\* or antiviral\*\*\* disinfectant
- One step virucide\*\*\*
- Proven disinfection technology
- [Powered by] HSP [technology]
- · Ready to use disinfectant cleaner
- Ready to use [formula]
- Real world contact times
- Real world contact times on pathogens
- Real world contact times on real world bugs
- [Product Name] [This product] meets
   EPA standards for hospital disinfection
- Super-oxidized water works by oxidizing microorganisms for complete/broad spectrum disinfection
- Touch up cleaning/disinfection
- Tough on germs, easy on surfaces
- Tough on germs, easy to use around patient[s] [areas]
- Tough on germs, easy enough for everyday use
- Two in one, no sacrifice on cleaning and disinfecting
- Two in one, [powerful] cleaning and disinfecting
- Use in places you are concerned about bacteria -and/or- viruses -and/or- germs
- Use where hazards of cross-contamination between treated surfaces is of primary importance at different sites (see sites and surfaces from Tables 1-6)
- Use -or- cleans and disinfects on healthcare surfaces
- Virucide\*\*\* or Virucidal\*\*\*
- When used according to the directions for use, this product disinfects hard non-porous surfaces including [insert use sites from Tables 1-6] [insert surfaces from Tables 1-6]

# **DIRECTIONS FOR USE**

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

### **CLEANING AND GENERAL USE APPLICATIONS**

**To Clean [Nonporous] Surfaces -and/or- Floors:** Spray soiled area, then wipe clean. -or- For spot cleaning, spray and wipe clean with damp sponge -or- mop or cloth.

**To Clean and Deodorize Toilets:** To clean and deodorize toilet bowl, squirt liberally (1/2 cup) on toilet sides and upper toilet bowl rim. Swab -or- brush all surfaces and flush.

### **DEODORIZATION APPLICATIONS**

**To Deodorize** Hard, Non-Porous Surfaces: Spray until thoroughly wet -or- Apply [this product] with [trigger sprayer] to completely wet all surfaces. Let stand for appropriate contact time [to kill odor causing [bacteria] [microorganisms] [organisms]]. Then wipe. For heavily soiled areas, a precleaning is required.

### **ALLERGEN DESTRUCTION APPLICATIONS**

**To [clean and] destroy specified allergens**: Apply this product, wait 1 minute, and wipe excess. [Rinse.] Allow to air dry. [If streaking is observed, wipe with a clean, damp [cloth or] paper towel.]

### **DISINFECTION APPLICATIONS**

### Hard, Non-porous Indoor Surface Disinfection:

### To [clean and] disinfect [and deodorize] Hard, Non-Porous Surfaces:

Preclean heavily soiled areas. Clean before disinfecting. Apply [wipe or dip] [product name] [this product] with a cloth, wipe, mop, sponge, or coarse spray. Let stand [for] 1 min[ute] for [Insert Virus from organism list on page 9] – and/or- [for] 3 min[ute]s for [Insert Bacteria or Fungi from organism list on page 9]. ]. [Allow surfaces to air dry.] For food contact surfaces rinse with potable water. For all others, no rinsing is required. [Do not use on utensils, glasses or dishes.] For heavily soiled areas, a preliminary cleaning is required.

# [KILLS HIV, HBV and HCV ON PRECLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS

In healthcare settings or other settings In which there is an expected likelihood of soiling of inanimate surfaces/objects with blood/body fluids and In which the surfaces/objects likely to be soiled with blood/body fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type 1 (HIV 1), Hepatitis B Virus (HBV) and Hepatitis C Virus (HCV).

Special Instructions for Cleaning and Decontamination against HIV 1 (AIDS Virus) HBV and HCV on Surfaces/Objects Soiled with Blood/Body Fluids: **Personal Protection** When handling items soiled with blood or body fluids use disposable gloves gowns masks and eye coverings.

Cleaning Procedure Blood and other body fluids must be thoroughly cleaned from surfaces and objects before applying this product Contact Time Let stand [for] 1 or one min[ute]. Disposal of Infectious Materials Use disposable impervious gloves gowns masks and eye coverings Blood and other body fluids must be autoclaved and disposed of according to local regulations for infectious waste disposal

### MEDICAL AND DENTAL APPLICATIONS

### For use on Hard, Non-Porous Surfaces.

To Pre-clean Instruments, Equipment and Surfaces Prior to Disinfection: Apply [product name] [this product] directly to the surface. Allow to remain wet for 30 seconds. Wipe surface using a paper or cloth towel to dry. Discard towel.

**To Disinfect Non-critical Instruments and Equipment Surfaces:** Thoroughly pre-clean surfaces prior to disinfection with [*product name*] [*this product*]. Apply [*product name*] [*this product*] directly to precleaned surfaces, thoroughly wetting area to be disinfected. Allow the surface to be wet for 3 min[ute]s at room temperature (69°F / 20°C). Wipe surface using a paper or cloth towel to dry. Discard towel.

**To Use As a Pre-cleaning Immersion Solution:** Fill appropriate size container with a sufficient amount of [*product name*] [*this product*] as to allow for complete submersion of instruments. Place instruments into [*product name*] [*this product*] disinfectant solution, cover and allow to soak for 1 min[ute] at room temperature (69°F / 20°C). Remove and rinse the instruments. Follow with appropriate disinfection process by following directions for that product. When the solution becomes diluted or visibly soiled, change solution.

**To Use As a Pre-cleaning Spray:** Place instruments into suitable container. Spray [**product name**] [**this product]** disinfectant solution onto instruments so as to thoroughly wet all surfaces. Allow to remain wet for 30 seconds. Remove the instruments. Follow with appropriate cleaning and disinfection process by following directions for that product. When the solution becomes diluted or visibly soiled, change solution.

To Use As an Ultrasonic Cleaning Solution: Thoroughly pre-rinse instruments under [product name] [this product] or running water to remove visible gross debris. Fill ultrasonic unit with [product name] [this product] to a level which allows complete submersion of instrument. Immerse instruments into solution and activate ultrasonic unit for 3 min[ute]s. Remove instruments. Follow with appropriate disinfection process by following directions for that product. When the solution becomes diluted or visibly soiled, change solution.

To Use As a Manual Cleaner: Thoroughly pre-rinse instruments under [product name] [this product] or running water to remove visible gross debris. Fill container with [product name] [this product] to a level which allows complete submersion of instrument. Immerse instruments into solution and scrub for 30 sec[ond]s. Allow the instruments to remain submerged for 3 min[ute]s. Remove instruments. Follow with appropriate disinfection process by following directions for that product. When the solution becomes diluted or visibly soiled, change solution.

**To Disinfect Non-critical, Pre-cleaned Medical Instruments:** Instruments must be thoroughly pre-cleaned to remove excess organic debris, rinsed and thoroughly dried. (Clean and rinse lumens of hollow instruments before filling with solution or before immersion.) Using either a soaking tray or an ultrasonic unit, immerse instruments into [**product name**] [**this product**] solution and scrub for 3 min[ute]s. Remove instruments. Wipe surface using a paper or cloth towel to dry prior to use. Discard towel. The solution must be discarded after each use.

Note: Critical and semi-critical devices must be followed by an appropriate terminal sterilization / high level disinfection process.

The product is not to be used as a terminal sterilant / high level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the bloodstream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to preclean or decontaminate critical or semi-critical devices prior to sterilization of high level disinfection.

### **VETERINARY / ANIMAL FACILITIES APPLICATIONS**

To Clean and Disinfect in a Veterinary Application: Use to clean and disinfect hard, nonporous surfaces such as feeding and watering equipment, cages, utensils, instruments, kennels, stables, catteries, etc. Remove all animals and feed from premises, animal transportation vehicles, crates, etc. Remove all litter, droppings, and manure from walls, floors, and surfaces of facilities occupied or traversed by animals. Empty all feeding and watering equipment. Preclean all surfaces with soap or detergent and rinse with water. Saturate surfaces with [*product name*] [*this product*] and let stand for 3 min[ute]s [at room temperature].] Thoroughly scrub all treating, feeding, and watering appliances with soap or detergent, and rinse with potable water before re-use.

Disinfection of animal quarters and kennels:To clean and disinfect hard nonporous surface, remove all animals and feeds from premises. Remove all litter, droppings and manure from floors, walls and surfaces of facilities occupied or traversed by animals. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with [*product name*] [*this product*] for a period of 3 min[ute]s. Immerse handling and restraining equipment such as leashes, muzzles, halters, or ropes. Allow equipment and housing to completely dry after use and before returning animals.

### AGRICULTURAL APPLICATIONS

For live stock or poultry facilities or dairy farms, remove all the animals and feeds from the premises, vehicles, coops, crates, and enclosures. Remove all the litter, manure and droppings from the floors, walls and surfaces of barns, pens chutes and other facilities occupied or traversed by animals. Empty all troughs, racks, and other feeding and watering appliances. Remove gross filth. Thoroughly clean all surfaces with soap or detergent and rinse with water. Saturate surfaces with [product name] [this product] for a period of 3 min[ute]s. Immerse all halters, ropes and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure. Rinse with potable water before reuse.

For cut flowers or plants, dilute [**product name**] [**this product**] with water by 1:20 ratio to spray on the flowers or plants, and put in the vase to mitigate and retard the growth of non-public health micro-organisms affecting the health and longevity of the flowers or plants. Repeat and change water if it gets murky. (Note: not for use in the state of California)

### FOOD PROCESSING APPLICATIONS

For use on Hard, Non-Porous Surfaces.

To disinfect food processing premises: floors, walls and storage areas. Preclean heavily soiled areas. Apply [product name] [this product] until it is covered with the solution. Allow this product to penetrate and remain wet for 3 min[ute]s to kill [Insert any relevant organism from organism list on pages 9]. Wipe off with a clean cloth, mop or sponge and thoroughly rinse all surfaces in the area with potable water. Heavily soiled areas must be precleaned before using this product.

To disinfect food processing equipment and containers: apply [product name] [this product] until it is covered with the solution. Allow this product to penetrate and remain wet for 3 min[ute]s to kill [Insert any relevant organism from organism list on pages 9]. Wipe off with a clean cloth, mop or sponge and thoroughly rinse all surfaces in the area with potable water. Heavily soiled areas must be precleaned before using this product.

### OIL AND GAS APPLICATIONS

Frac Water: For typical water treatment, mix 10 US gallons of [product name] [this product] (250ppm FAC) with 990 US gallons of frac water to 2.5ppm FAC to mitigate and retard the growth of non-public health

micro-organisms such as anaerobic bacteria, aerobic bacteria and sulfate reducing bacteria to protect fracturing fluids, polymers and gels.

**Sour Wells**: For typical water treatment, slug dose 336 US gallons of [*product name*] [*this product*] (250ppm FAC) into the well bore on a daily or weekly basis to control unwanted non-public health microorganisms, reduce hydrogen sulfide gas and restore well integrity.

**Produced Waters**: For typical produced water treatment, mix 42 gallons of [*product name*] [*this product*] (250ppm FAC) with 958 US gallons of produced water to 10.5ppm FAC to retard the growth of non-public health microorganisms.

**Heater Treaters: Hydrocarbon Storage Facilities & Gas Storage Wells:** For typical storage facility treatment, mix 252 gallons of [*product name*] [*this product*] (250ppm FAC) into the water phase of the mixed hydrocarbon / water system to retard the growth of non-public health microorganisms, control the formation of hydrogen sulfide and reduce corrosion of the storage tanks.

**Water Flood Injection Water**: For typical water flood injection water treatment, mix 42 US gallons of [*product name*] [*this product*] (250ppm FAC) with 958 US gallons of injection water to 10.5ppm FAC to retard the growth of non-public health microorganisms and control slime in pipelines.

**Oil and Gas Transmission Lines**: For typical transmission line treatment, slug dose 840 gallons of [*product name*] [*this product*] (250ppm FAC) into the transmission line on a daily or weekly basis to control unwanted non-public health microorganisms, such as SRBs, reduce microbiologically influenced corrosion (MIC).

### Organism List

\*Bacteria: Staphylococcus aureus [(S. aureus)] [ATCC 6538], Pseudomonas aeruginosa [(P. aeruginosa)] [ATCC 15442], Salmonella enterica [(S. enterica)] [ATCC 10708], Methicillin-resistant Staphylococcus aureus [(MRSA)] [ATCC 43300], E.coli O157:H7 [ATCC 35150], Vancomycin resistant Enterococcus faecalis [(VRE)] [ATCC 51299], Acinetobacter baumannii [(A. baumannii)] [ATCC 19606],

\*\*Fungi: Trichophyton mentagrophytes [(T. mentagrophytes)] [(Athlete's Foot Fungus)] [ATCC 9533]

\*\*\*\*Enveloped Virus: Influenza A virus [ATCC VR-544, Strain Hong Kong], Hepatitis B Virus [(HBV)] [Duck Hep B Virus (DHBV) as surrogate)], Hepatitis C Virus [(HCV)] (Bovine Virus Darrhea Virus (BVDV) as surrogate)], Human Immunodeficiency Virus [(HIV)] [Type 1] [(Aids Virus)]

\*\*\*Non-enveloped Virus: Norovirus (Feline Calicivirus as surrogate)

+Bloodborne Pathogen: Hepatitis B Virus [(HBV)] [Duck Hep B Virus (DHBV) as surrogate)], Hepatitis C Virus [(HCV)] ([Bovine Viral Darrhea Virus (BVDV) as surrogate)], Human Immunodeficiency Virus [(HIV)] [Type 1] [(Aids Virus)]

**++Drug Resistant Bacteria:** Methicillin-resistant Staphylococcus aureus [(MRSA)] [ATCC 43300], Vancomycin resistant Enterococcus faecalis [(VRE)] [ATCC 51299], Acinetobacter baumannii [(A. baumannii)] [ATCC 19606],

### For Use on Hard, Non-Porous Surface at the Following Sites (including but not limited to):

	TABLE 1:				
Healthcare:         Hospitals including emergency rooms, critical and intense care units, neonatal units, isolation areas and quarantine rooms etc.         Cleanrooms         Compounding pharmacies         Health clinic[s] –or- doctor's offices         Dental clinics and offices         Ophthalmic and optometric facilities, and eye surgical centers         Nursing homes –or- retirement homes         Operating rooms, patient rooms,         Veterinary clinics and offices, -or- animal hospitals, -or- animal housing and grooming facilities         Pet shops         Pharmacies         Zoos         Laboratories –or- animal life science laboratories	Hospitality & Household  Hotels  Motels  Bed and Breakfasts  Hostels  Mobile homes  Homes  Condos  Apartments  Lodging establishments				
Food Processing & Service:  Food processing facilities  Commercial -and/or- institutional kitchens  Food service facilities  Restaurant and  Bars  Cafeterias  Deli  Fast food restaurants	Commercial Facilities Supermarkets, -or- convenience stores, -or- liquor stores Office buildings Retail businesses Athletic facilities, -or- fitness centers, -or- gymnasiums Shower rooms, locker rooms Public recreational facilities — amusement parks, -or- movie theatres, -or- bowling alleys, -or- indoor playgrounds, -or- camp grounds, -or- clubs Barber shops, -or- hair and nail salons, -or- tanning salons, -or- spas Public restrooms, -or- dressing rooms				
Industrial Applications  Pharmaceutical and medical device producing establishments Manufacturing facilities Industrial facilities Beverage and breweries (beer, wine, liquor production) Warehouses and distribution centers Paper manufacturing facilities	<ul> <li>Day care centers</li> <li>Laboratories Convention centers</li> </ul> Institutions & Government: <ul> <li>Schools (Pre-, elementary, grade, high)</li> <li>College –or-university –or-dorms –or- dormitories</li> <li>Government office buildings</li> <li>Prisons –or- correctional facilities</li> <li>Police stations</li> <li>Fire stations</li> <li>Barracks and other military accommodations</li> <li>Post offices</li> <li>Customs and immigration facilities</li> <li>Churches</li> </ul>				
Public Transportation: Cruise ships Ships and boats Airplanes [Airport] Trains, and buses Transportation terminals Trucks and cars Taxis and limo Trailers and campers	Agriculture:  Live stock facilities  Live poultry facilities  Dairy farms  Arboretum  Green houses and gardens				

This product is not for outdoor residential consumer use.

# For Use on Hard, Non-Porous Indoor Surface at the Following Sites (includes but not limited to):

General			
<ul> <li>Appliances</li> <li>Anesthesia Machines</li> <li>Animal Cages</li> <li>Automobile interiors</li> <li>Bathroom fixtures</li> <li>Bathtubs</li> <li>Bed railings</li> <li>Bidets</li> <li>Cabinets</li> <li>Chairs (sealed wood and metal)</li> <li>Computers</li> <li>Counters</li> <li>Cribs</li> <li>Dental irrigation equipment surfaces</li> <li>Desks</li> <li>Diaper changing tables</li> <li>Door knobs</li> <li>Drinking fountains</li> </ul>	Eyeglasses     Fax machines     Faucets     Floors     Garbage cans     Gardening tools     Glazed tile     Gymnasium / fitness equipment     Haircutter blades     Hair dryers     Hand rails     Headsets     High Chairs     Keyboards     Litter boxes     Metal     Manicure table     Microwave oven exteriors     Nail files     Non-critical medical equipment and devices	Oxygen hood surface     Physical therapy     equipment     Railings     Razors     Refrigerator exteriors     Respiratory equipment     Salon surfaces     Saunas     Scissors     Seats     Shampoo bowls     Showers     Sinks     Stainless steel     Steam rooms     Stoves     Stretchers     Surgical beds / tables	Tabletops Telephones Toilet exteriors Trashcans Tubs Tweezers Urinal exteriors Walls Workstations

TABLE 2: Medical

### For use on Hard, Non-Porous Surfaces

### Use Sites:

Ambulances -or- [Emergency Medical]

Transport Vehicles

Ambulatory Surgical Centers (ASC) Anesthesia Rooms or Areas [Assisted Living -or- Full Care]

Nursing Homes

Carts

CAT Lab[oratories] Central Service Areas

Central Supply Rooms -or- Areas

Cleanrooms

Compounding pharmacies Critical Care Units -or- CCUs Dialysis Clinics [Facilities]

Doctors' Offices

Donation Centers [blood] [plasma] [semen] [milk] [apheresis]

Emergency Rooms -or- ERs

Eye Surgical Centers

Health Care Settings -or- Facilities Home Health Care [Settings]

### Surfaces:

air vents

anesthesia machines apheresis machines

autoclaves

bathroom doorknob

bedpans bed rails

[bedside] commodes

bedside tables blood pressure (BP) monitors

cabinet handles call boxes

CAT -or- Computerized Axial Tomography equipment

carts

carrs
cellular phones
charging stations
closet handles
coated mattresses
coated pillows
computer peripherals

computer screens computer tables

cords

counters

[crash] [emergency] carts diagnostic equipment dialysis machines

docking stations environmental surfaces

[exam -or- examination] tables exterior surfaces of air vents -or- air

vent exteriors external surfaces of [medical] equipment –or- [medical]

equipment surfaces

[external] [surfaces of] ultrasound transducers [-and/or- probes]

exterior of pipes

[Hospital] Kitchens

Hospices

Hospitals

Intensive Care Units -or- ICU[s]

[areas] Isolation Areas Laundry Rooms

Laboratories
Long Term Care Facilities

[Medical] Clinics Medical Facilities

Medical -or- Physician's -or- Doctor's

Offices

Newborn -or- Neonatal [Nurseries] [Intensive Care] Units [NICU]

Nursing Homes

Nursing -or- Nurses' Stations

Operating Rooms
Ophthalmic Offices
Orthopedics

Out-Patient [Surgical Centers (OPSC)]

[Clinics] [Facilities]

footboards glucometers

gurneys

handheld [electronic] devices [hard, nonporous] edges of privacy

curtains

hard, nonporous [environmental] hospital -or- medical surfaces

headboards

{hard, nonporous}\_high touch surfaces [hospital -or- patient] bed[s] [springs]

[railings] [frames] [linings] infant incubators and care cribs

infant warmers

[inner] [inside of] drawers

Isolettes Isolator hoods

IV [stands] [pumps] [poles]

keyboards laptops large surfaces

loupes

mammography equipment [Mayo] [instrument] stands

medication carts computer mouse [mice]

mobile devices

mobile electronic equipment mobile workstations

mouse pads

MRI -or- Magnetic Resonance Imaging Equipment

nurse-call [devices] [buttons] [and cords]

operating room tables and lights operatory light switches

oxygen hoods overbed tables

paddles pagers Patient Areas Patient Restrooms Patient Rooms

[Pediatric] Examination Rooms -or-Areas

Pediatric Intensive Care Units [PICU] Pharmacies

Physical Therapy Rooms -or- Areas

Physicians' Offices Psychiatric Facilities Public [Care] Areas

Radiology -or- X-Ray Rooms -or-

Areas

Recovery Rooms . Rehabilitation Centers

Respiratory Therapy Rooms -or-

Areas Restroom

Surgery Rooms -or- Operating Rooms

–or- ORs

Waiting Rooms -or- Waiting Areas

[patient] chairs

patient monitoring equipment patient support and delivery

equipment phlebotomy trays

physical therapy (PT) equipment and

onysical therapy (PT) equipmer surfaces

phone cradle

plastic mattress covers ,.

power cords pulse oximeters PVC tubing

reception counters -or- desks -or-

areas
remote controls
respirators

respiratory therapy equipment

scales

sequential compression devices

sequential compreshower fixtures side rails slit lamps small surfaces spine backboards stethoscopes stools stretchers support bars

tablet PCs toilet hand holds traction devices

walls [around toilet] [in patient rooms]

wash basins wheelchairs x-ray equipment

### For use on Hard, Non-Porous Surfaces

### TABLE 3: Dental

**Use Sites:** Surfaces:

**Dental Operatories** Dental -or- Dentist's Offices **Examination Rooms** 

amalgamators -and/or- dental curing lights dental countertops dental operatory surfaces dentists' -or- dental chairs dental unit instrument trays endodontic equipment such as apex locators hard, nonporous [environmental] dental surfaces light lens covers pulp testers and motors reception counters -or- desks -or- areas

### TABLE 4: Veterinary:

**Use Sites:** 

Animal [Pet] Housing [Kennels] [Facilities] Animal Holding Areas Animal life Science Laboratories [Animal -or- Pet] Grooming Facilities **Animal Transportation Vehicles** Breeding Establishments

Dairy Farms Equine Farms Farms Kennels

**Use Sites:** 

Livestock -and/or- Swine -and/or-

Poultry Facilities

Pet [Areas] [Quarters] Pet Shops -or- Stores **Small Animal Facilities** 

Tack Shops

Veterinary Clinics -or- Facilities Veterinary [Offices] [Waiting

Rooms]

Veterinary -or- Animal Hospitals Veterinary [Examination Rooms] Veterinary [X-ray Rooms] Veterinary [Operating Rooms]

Zoos

### Surfaces:

animal equipment automatic feeders

cages

exterior surfaces of fountains external surfaces of [veterinary]

equipment

exterior surfaces of watering appliances

feed racks

hard, nonporous [environmental]

veterinary surfaces

reception counters -or- desks -or- areas

stalls troughs

veterinary care surfaces

### TABLE 5: Food Service:

**Surfaces:** 

**Banquet Halls** any washable (food and non-food contact) Bars Cafeterias

Catering Facilities appliance exteriors Commercial -or- Institutional Kitchens

Delis [Delicatessens] Fast Food Chains -or- Restaurants Food Preparation and Processing

Areas

Food [Service -or- Processing] Establishments

Food Serving Areas [Front of] Restaurants

Other Food Service Establishments

Restaurants School Kitchens [hard, nonporous inanimate] surface where disinfection is required

appliances dish racks drainboards food cases food trays freezers

glass salad bar sneeze guards

hoods

microwave[s] exteriors

oven[s] exteriors plastic salad bar sneeze refrigerator[s] exteriors stoves -or- stovetops

A potable water rinse is required for food contact surfaces

Do not use on glassware, utensils or dishes

### For use on Hard, Non-Porous Surfaces

### TABLE 6: Other

**Use Sites:** 

Airplanes [Airports] Ambulances Amusement parks

Athletic [Recreational] Facilities

Barber Shops Basements Bathrooms

Bathroom -or- Locker Room Facilities

Beauty [Salons] [Shops]

Bedrooms Blood Banks Bowling Alleys

Buses

Butcher Shops Cafeterias Campers Campgrounds Churches

Colleges Convenience Stores Convention Centers Correctional Facilities

Cruise Ships Dairy Farms

[Damp] Storage Areas Day Care Centers

Dens
Dining halls
Dorms
Dormitories
Elevators

Emergency Vehicles

Factories
Fast Food Restaurants
[Food Processing] Plants

Food Storage Areas Funeral Homes

Garages Garage Storage Areas Garbage [Cans] [Disposals] [Garbage] [Waste] Storage Areas

Gas Stations

Greenhouses Grocery Stores

Gymnasiums -or- Gyms Health Club[s] [Facilities]

Homes
Home Centers
Hotels
Housing facilities

Industrial Facilities
Institutional [Kitchens][Bathrooms]

[Institutional] Laundromats

Institutions

[Interior [hard, nonporous] surfaces of]

Rental Cars Kennels

Kitchen[s] [Surfaces] Laboratories Laundromats Laundry Rooms Lavatories Libraries

Lodging Establishment Lounges

Locker Rooms

Malls [Manufacturing] Plants

Manufacturing Plants -or- Facilities

Markets
Mass Merchandisers, Discount Retailers

-and/or- General Merchandise Stores Military Installations Mobile Homes

Mortuaries
Motels
Motor Homes
Mudrooms
Nurseries

Nurseries Office[sl [Buildings] Pet Animal Quarters Pet Areas

Pet Shops and Other Animal Care

Facilities

Pharmacies

Play Areas -or- Rooms [Police -and/or- Fire] Vehicles

Produce Areas
Public Areas
Public Facilities
Public Restrooms

Public Telephone[s] [Booths] Recreational Centers -or- Facilities

Rest Stops-Restaurants

Restrooms -or- Restroom Areas

Retail and Wholesale Establishments Retail Businesses [Retail] [Wholesale] Florists

School Buses
Schools
Shelters

Shippers Shopping Centers

Shops

Shower Rooms

Spas [Massage/Facial] [Hair/Nail]

[Salons]
Sports Arenas
Sports Stadiums

Storage Rooms -or- Areas

Subways
Supermarkets
Tattoo Parlors
Toolsheds

Transportation Terminals

Trains
Trolleys
Universities
Vacation Homes
Warehouse Clubs
Work Stations

Zoos

### For use on Hard, Non-Porous Surfaces

### **TABLE 6: Other Continued**

#### Surfaces:

appliance exterior[s] [surfaces] appliance -or- cabinet knobs baked enamel

bassinets

[bathroom] fixtures

[bathroom] [kitchen] faucet[s]

[handles]
[bath]tubs
BP Monitors
bed frames

[behind and under] [counters]

-or- countertops [behind and under] sinks]

booster chairs

bottoms of pots and pans

burner trays cabinets cages carts

cell[ular]-or- wireless -or- mobile

-or- digital phones Hard non-porous chairs changing tables chemotherapy hoods [children's] furniture

chrome

chrome exterior surfaces of urinals

-and/or- toilets

closets

[clothes] [diaper] hampers

computer mouse computers

[computer] keyboards [computer] monitors cooler exteriors cupboards

cribs

crystal (non-food contact areas)

desk[s] [tops]

[diaper -or- infant] changing [tables]

-or- areas [stations]

diaper pails

dictating equipment [surfaces]
[dining] [fast food] [kitchen] [play]

[restaurant] [tray] tables

dining room surfaces -and/or- tables -and/or- fast food restaurant tables

-and/or- fast food restaurant ta door[s] [handle[s]] [framers]] doorknobs

drain boards drawer pulls dressing carts elevator buttons empty garbage bins exercise equipment exercise machines exercise mats exhaust fans

exterior -or- external toilet surfaces exterior -or- external urinal surfaces

faucets

fax machine[s] [handles] [filing] [medicine] cabinets finished hardwood

finished -or- painted walls

finished -or- painted woodwork

finished windowsills

fixtures

floors and walls of coolers floors [around toilets]

flower buckets

Hard non-porous furniture

freezer exteriors garage surfaces garbage -or- trash cans glass

glass-topped furniture

glazed ceramic [restroom surfaces]

glazed [ceramic] tile[s]

glazed porcelain [tiling -or- tile] [grocery [store]-or- supermarket] carts [grocery [store] -or- supermarket]

cart handles

[grocery [store] -or- supermarket] cart

child seats

gym[nastic] equipment

hampers

[hand) railings -or- rails

hard, nonporous areas -or- surfaces behind and under counters hard, nonporous areas -or- surfaces

behind and under sinks

[hard, nonporous surfaces of] car interiors

hard, nonporous office -or- bedroom -or- bedside furniture

[hard) plastic -or- vinyl

headsets

high chairs [(non-food contact areas)]

[Instrument) Stands

[Interior [hard, nonporous] surfaces of] automobiles

[Interior [hard, nonporous] surfaces of] boats

[Interior\_-[hard, nonporous] surfaces of] cars

[Interior [hard, nonporous] surfaces of] Ships

[Interior [hard, nonporous] surfaces of] trailers

[Interior [hard, nonporous] surfaces of] vehicles

[kids'] play [structures] [equipment]

[furniture] [tables] [kitchen) appliance exteriors

lamps

large inflatable nonporous plastic light fixtures -or- switches -or- panels

linoleum lockers'

[medicine] cabinets

metal metal blinds metal work benches microwave exterior office machinery

other telecommunication[s] equipment [surfaces] outside of [appliances]

[microwaves] [refrigerators]

oven doors packing benches piano keys

pet areas -or- surfaces

plastic laundry hampers -or- baskets

plastic shower curtains

plastic surfaces associated with: floors, walls, fixtures, toilets, urinals, sinks, shower rooms

and locker rooms

playpens phones portable toilets

. [public -or- pay] telephones

-or- phone booths range hoods recycling bins refrigerator door handles

refrigerator exterior remote controls restroom fixtures

RVs

sealed fiberglass polyester, vinylester

and epoxy resins

seats

shelves [and drawers]

shower[s] [area] [curtains] [doors]

[stalls] [walls] signs

sill[s] ledge[s] sink[s] [basins] sports equipment stainless steel stall doors

staplers stereo consoles storage bins

stovetops -or- stoves

strollers synthetic marble tables [tabletops] telephones

tiled walls toilet area[s]

toilet -and/or- urinal exterior[s]

[surfaces] -or- exterior toilet surfaces [toilet [flush]] [telephone] [cabinet] [dishwasher] [door] [faucet] handles

toilet handle[s] toilet rim[s] toilet seat[s] toilet top[s] tools

towel dispensers

tower dispensers toys toy boxes [training] toilets

trash cans -or- compactors

tray tables

[TV] Remote[s] [Control][s] vanity tops -or- vanities vending machine surfaces

[vinyl] linoleum walkers

walls

### For use on Hard, Non-Porous Surfaces

### **TABLE 6: Other Continued**

### Surfaces:

washable ceilings
[washable] floors [including linoleum,
no-wax, vinyl, and glazed ceramic
tile]
washable kitchen surfaces
washable walls
washers/dryers -or- washing
machine exterior[s]
wastebaskets
window [blinds] [shades]
windows and mirrors
windshields
work benches

### **Surface Materials:**

wrestling mats

[baked] enamel brass chrome copper [common] hard, nonporous [household -or- environmental] surfaces formica glass glazed ceramic [tile] glazed porcelain glazed porcelain enamel glazed tile

hard, nonporous painted surfaces

laminated surfaces

Marlite Naugahyde plastic [laminate]
plexiglas
porcelain enamel
sealed fiberglass
similar hard, nonporous surfaces
except for those excluded by the label
stainless steel
synthetic marble
vinyl [tile]

### PRECAUTIONARY STATEMENTS

# **Environmental Hazard**

[For containers ≥ 5 gallons] Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

# STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage:** Store (Hsp<sub>2</sub>O) in its original sealed container at room temperature, away from direct sunlight and heat to avoid deterioration. If the product leaks or spills from the container, rinse the area with water and let it air dry.

**Pesticide Disposal:** If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program.

### **Container Disposal:**

[For containers < 5 gallons] Non-refillable Container. Do not refill or reuse container. Triple rinse then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.

[For containers ≥ 5 gallons] Non-refillable Container. Do not refill or reuse container. Triple rinse as follows: Empty the remaining content into application equipment or a mix tank. Fill container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat the procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in a sanitary landfill.

# **OPTIONAL TEXT**

# WARRANTY

HSP USA LLC warrants that this product conforms to the product specification on this label and is reasonable fit for the purposes set forth in the Directions of Use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, NO OTHER EXPRESS WARRANTY OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY IS MADE.



